

REMARKS

Note that claim 1 has been amended. Appendix A contains a marked up copy of the amended claim.

Note that new claims 186-285 have been added.

Support for new claim 186 can be found in Fig. 18, page 27, line 24 to page 36, line 9 and Fig. 145, Fig. 151, Fig. 159, Fig. 164, Fig. 168, Fig. 172, Figs. 175-76, page 259, line 17 to page 305, line 8.

Support for new claim 187 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18.

Support for new claim 188 can be found in Fig. 145, Fig. 148, Fig. 153, "V93" in Fig. 180 and page 259, line 17 to page 305, line 8.

Support for new claim 189 can be found in Fig. 18, page 27, line 2 to page 36, line 9 and Fig. 145, Fig. 151, Fig. 159, Fig. 164, Fig. 168, Fig. 172, Figs. 175-6, page 259, line 17 to page 305, line 8.

Support for new claim 190 can be found in Fig. 18, page 27, line 2 to page 36, line 9 and Fig. 145, Fig. 151, Fig. 159, Fig. 164, Fig. 168, Fig. 172, Figs. 175-6, page 259, line 17 to page 305, line 8.

Support for new claim 191 can be found in Fig. 145, Fig. 148, Fig. 153, "V93" in Fig. 180 and page 259, line 17 to page 305, line 8.

Support for new claim 192 can be found in Fig. 18, Figs. 23-24, page 27, line 24 to page 36, line 9 and Fig. 145, Fig. 151, Fig. 159, Fig. 164, Fig. 168, Fig. 172, Figs. 175-176, page 259, line 17 to page 305, line 8.

Support for new claim 193 can be found in Fig. 91, Figs. 93-95, page 175, line 9 to page 182, line 5.

Support for new claim 194 can be found in Figs. 21-24, page 101, line 2 to page 141, line 18 and page 181, line 19 to page 210, line 2 from the bottom.

Support for new claim 195 can be found in Fig. 198, Fig. 200, page 311, line 3 to page 319, line 19 and Figs. 20-23, Figs. 24-31, page 93, line 9 to page 141, line 18.

Support for new claim 196 can be found in Figs. 21-24, page 101, line 2 to page 141, line 18 and Figs. 50-64, Fig. 23, Fig. 48, "23-1" in Fig. 49.

Support for new claim 197 can be found in Fig. 145, Fig. 153, "V93" in Fig. 180 and page 259, line 17 to page 305, line 8.

Support for new claim 198 can be found in Fig. 145, Fig. 148, Fig. 153, "V93" in Fig. 180 and page 259, line 17 to page 305, line 8.

Support for new claim 199 can be found in Fig. 18, page 27, line 1 to page 36, line 9 and Figs. 20-31, page 89, line 19 to page 141, line 18.

Support for new claim 200 can be found in Fig. 18, page 27, line 1 to page 36, line 9 and Figs. 20-31, page 89, line 19 to page 141, line 18.

Support for new claim 201 can be found in Fig. 18, page 27, line 1 to page 36, line 9 and Figs. 20-31, page 89, line 19 to page 141, line 18.

Support for new claim 202 can be found in Fig. 18, page 27, line 1 to page 36, line 9 and Figs. 20-31, page 89, line 19 to page 141, line 18.

Support for new claim 203 can be found in Fig. 18, page 27, line 1 to page 36, line 9 and Figs. 20-31, page 89, line 19 to page 141, line 18.

Support for new claim 204 can be found in Fig. 18, page 27, line 1 to page 36, line 9 and Figs. 20-31, page 89, line 19 to page 141, line 18.

Support for new claim 205 can be found in Fig. 18, page 27, line 1 to page 36, line 9 and Figs. 20-31, page 89, line 19 to page 141, line 18.

Support for new claim 206 can be found in Fig. 155, Fig. 158, page 271, line 19 to page 273, line 9.

Support for new claim 207 can be found in Figs. 138-144, page 252, line 6 to page 253, line 3.

Support for new claim 208 can be found in Fig. 18, page 28, line 7 to page 29, line 2, Figs. 20-31, page 89, line 20 to page 141, line 19, and Fig. 216, page 354, line 15 to page 356, line 3.

Support for new claim 209 can be found in Figs. 20-31, page 89, line 20 to page 141, line 19.

Support for new claim 210 can be found in Figs. 20-31, page 89, line 20 to page 141, line 19.

Support for new claim 211 can be found in Figs. 20-31, page 89, line 20 to page 141, line 19.

Support for new claim 212 can be found in Figs. 222-223, page 357, lines 5 to the bottom.

Support for new claim 213 can be found in Figs. 20-31, page 89, line 20 to page 141, line 19.

Support for new claim 214 can be found in Figs. 219, Figs. 222-224, page 356, line 4 to page 357, the bottom.

Support for new claim 215 can be found on page 35, lines 8 to 24 and Figs. 20-31, page 89, line 20 to page 141, line 19.

Support for new claim 216 can be found in Figs. 20-31, page 89, line 20 to page 141, line 19.

Support for new claim 217 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 218 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 219 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5, especially Fig. 227.

Support for new claim 220 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 221 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 222 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 223 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 224 can be found in Figs. 23-24, Figs. 68-69, page 149, line 6 to page 150, line 4.

Support for new claim 225 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 226 can be found in Fig. 89, line 6 to page 162, line 21.

Support for new claim 227 can be found in Fig. 89, line 6 to page 162, line 21.

Support for new claim 228 can be found in Fig. 89, line 6 to page 162, line 21.

Support for new claim 229 can be found in Fig. 89, line 6 to page 162, line 21 and page 35, lines 8 to 24.

Support for new claim 230 can be found in Fig. 89, page 159, line 6 to page 162, line 21 and Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 231 can be found in Figs. 20-31, page 89, line 20 to page 141, line 19, Figs. 214-239, page 350, line 6 to page 373, line 5, and Fig. 198, Fig. 200, page 305, line 9 to page 319, line 19.

Support for new claim 232 can be found in Fig. 89, page 159, line 6 to page 162, line 21 and Fig. 68, Fig. 90, page 162, line 21 to page 166, line 10.

Support for new claim 233 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18 and Fig. 89, page 159, line 6 to page 162, line 21.

Support for new claim 234 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18 and Fig. 89, page 159, line 6 to page 162, line 21.

Support for new claim 235 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18 and

Fig. 89, page 159, line 6 to page 162, line 21.

Support for new claim 236 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18 and Fig. 89, page 159, line 6 to page 162, line 21.

Support for new claim 237 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18 and Fig. 89, page 159, line 6 to page 162, line 21, and Fig. 25, page 107, line 15 to page 108, line 13.

Support for new claim 238 can be found in Fig. 155, page 272, line 17 to page 274, line 19.

Support for new claim 239 can be found in Fig. 177, page 271, line 19 to page 272, line 16.

Support for new claim 240 can be found in Fig. 69, page 149, line 6 to page 151, line 2.

Support for new claim 241 can be found in Fig. 155, page 272, line 17 to page 274, line 19.

Support for new claim 242 can be found in Fig. 187, page 296, line 2 to page 297, line 10.

Support for new claim 243 can be found in Fig. 145, Fig. 187, Fig. 214, Fig. 225, page 350, line 6 to page 373, line 5.

Support for new claim 244 can be found in Fig. 145, Fig. 187, Fig. 214, Fig. 225, page 350, line 6 to page 373, line 5.

Support for new claim 245 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5, especially Fig. 227.

Support for new claim 246 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 247 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 248 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 249 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 250 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 251 can be found in Figs. 214-239, page 350, line 6 to page 373, line 5.

Support for new claim 252 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18 and Figs. 138-142, page 252, line 6 to page 259, line 16.

Support for new claim 253 can be found in Fig. 155, Fig. 158, page 272, line 17 to page 274, line 19.

Support for new claim 254 can be found in Fig. 20, page 97, line 19 to page 98, line 8, Fig. 155, Fig. 158, page 272, line 17 to page 274, line 19.

Support for new claim 255 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18 and Figs. 113-118, page 220, line 14 to page 221, line 3.

Support for new claim 256 can be found in Fig. 20, Fig. 25, page 119, line 21 to page 120, line 12.

Support for new claim 257 can be found in Fig. 187, page 296, line 2 to page 297, line 10.

Support for new claim 258 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18.

Support for new claim 259 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18.

Support for new claim 260 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18.

Support for new claim 261 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18.

Support for new claim 262 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18.

Support for new claim 263 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18, especially page 32, line 7 to page 33, line 9.

Support for new claim 264 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18, especially page 35, lines 8-24.

Support for new claim 265 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18, especially page 99, lines 5-20 and page 97, line 19 to page 98, line 8.

Support for new claim 266 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18, especially page 35, lines 8-24.

Support for new claim 267 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18, and Figs. 138-143, page 252, line 6 to page 259, line 16.

Support for new claim 268 can be found in Figs. 310-312, page 420, line 21 to page 461, line 11.

Support for new claim 269 can be found in Figs. 310-312, page 420, line 21 to page 461, line 11, especially page 458, line 24 to page 461, line 11.

Support for new claim 270 can be found on page 461, line 12 to page 485, line 5, especially page 480, lines 5-25.

Support for new claim 271 can be found in Figs. 310-312, page 420, line 21 to page 461, line 11.

Support for new claim 272 can be found in Figs. 310-312, page 420, line 21 to page 461, line 11.

Support for new claim 273 can be found in Figs. 310-312, page 420, line 21 to page 461, line 11, especially page 458, line 24 to page 461, line 11.

Support for new claim 274 can be found on page 502, line 20 to page 514, line 21.

Support for new claim 275 can be found on page 485, line 6 to page 502, line 19.

Support for new claim 276 can be found on page 485, line 6 to page 502, line 19.

Support for new claim 277 can be found on page 485, line 6 to page 502, line 19, Figs. 20-31, page 93, line 9 to page 141, line 18, and Fig. 89, page 159, line 6 to page 162, line 21.

Support for new claim 278 can be found in Fig. 310, page 420, line 21 to page 461, line 11, especially page 423, lines 12-25 and page 425, line 15 to page 426, line 11.

Support for new claim 279 can be found in Figs. 20-31, page 89, line 19 to page 141, line 18 and page 420, line 21 to page 461, line 11.

Support for new claim 280 can be found in Figs. 20-31, page 89, line 19 to page 141, line 18.

Support for new claim 281 can be found in Figs. 20-31, page 89, line 19 to page 141, line 18 and page 420, line 21 to page 461, line 11.

Support for new claim 282 can be found on page 92, line 4 to page 93, line 8 and page 420, line 21 to page 461, line 11.

Support for new claim 283 can be found on page 485, line 6 to page 502, line 19, especially page 497, line 11 to page 499, line 7.

Support for new claim 284 can be found on page 91, line 2 to page 93, line 8 and page 420, line 21 to page 461, line 11.

Support for new claim 285 can be found in Figs. 20-31, page 93, line 9 to page 141, line 18, especially Fig. 22, page 102, the bottom of page 105, line 3, and Figs. 138-143, page 252, line 6 to page 259, line 16.

The Commissioner is authorized to charge any additional fees which may be required or credit overpayment to deposit account no. 12-0415. In particular, if this response is not timely filed, the Commissioner is authorized to treat this response as including a petition to extend the time period pursuant to 37 CFR 1.136(a) requesting an extension of time of the number of months necessary to make this response timely filed and the petition fee due in connection therewith may be charged to deposit account no. 12-0415.

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office at FAX No. 703-872-9303 and addressed to the Commissioner for Patents and Trademarks, Washington, D.C., 20231 on:

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December ~~14~~ 2002

(Date of Deposit)

Mavis S. Gallenson

(Name of Applicant, Assignee or Registered Representative)

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December 20, 2002

(Date)

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1. A terminal-to-terminal communication control method with employment of an IP transfer network, wherein:

an IP transfer network contains two, or more connection servers, and a media router outside said IP transfer network is connected to a terminal having a transmittance/reception function of digital media;

a call setting IP packet is transmitted from said media router to the connection servers;

said connection server provided on the telephone calling side determines both a communication line for an inter-terminal communication within said IP transfer network and a line number for identifying said communication line by employing both a telephone number provided on the telephone calling side and a telephone number provided on the call reception side, and produces an initial address message containing said line number;

said produced initial address message is transmitted to the connection server provided on the call reception side [via a relay connection server], said connection server on the call reception side transmits a call setting IP packet to the media router on the call reception side, and said media router on the call reception side transmits said call setting IP packet to the terminal on the call reception side;

said connection server on the call reception side produces an address completion;

said address completion message and transmits said received address completion message is transmitted to said connection server on the telephone calling side [via said relay connection server];

when a report of telephone calling operation is received from the terminal on the call reception side, said connection server on the call reception side produces a call pass message; said call pass message reaches [via said relay connection server] to said connection server on the telephone calling side; and said connection server on the calling side transmits the report of telephone calling operation of the terminal on the call reception side to the media router on the telephone calling side;

upon receipt of a response issued from the terminal on the call reception side, said connection server on the call reception side produces a response message; said response message

reaches [via said relay connection server] to said connection server on the telephone calling side; said connection server on the telephone calling side stops the calling sound of the terminal on the call reception side; both said terminal on the telephone calling side and said terminal on the call reception side can establish an inter-terminal communication between the terminals to transmit/receive the digital media via said media routers provided on the telephone calling side and the call reception side;

a request for interrupting the inter-terminal communication is transmitted from said media router provided on either the telephone calling side or the call reception side to said connection server; a release request is sent from said connection server to [both said relay connection server and] another connection server; an interrupt instruction is transmitted from said another connection server to another media router, and on the other hand, a release completion is transmitted from another connection server [via said relay connection server] to said server; and an interrupt completion is sent to a media router so as to connect/release the inter-terminal communication between the two terminals.